

I. AMENDMENT

In the Specification:

Please replace the paragraph beginning on page 5, line 16 of the specification with the following amended paragraph:

The present invention relates to chimeric proteins comprising MUC1-EC polypeptides. MUC1-EC polypeptides may be derived from the sequence for MUC1-REP, wherein tandem repeats may be present, as in SEQ ID NO:13, or all tandem repeat sequences are deleted, as in SEQ ID NO:15. Further deletions may be made from the amino-terminal, such as exemplified in SEQ ID NO:17, 19, and 23, or the carboxy-terminal, as exemplified in SEQ ID NO: 21. MUC1-REP is cleaved during intercellular processing between the glycine and the serine in the sequence FRPGSVVV (SEQ ID NO:72), wherein the amino-terminal and carboxy-terminal fragments associate as a heterodimer (Parry *et al.*, 2001). The heterodimer is apparently very stable, being resistant to boiling, urea, sulfhydryl compounds, low pH or high salt (Julian & Carson, 2002), and thus would be expected to be purified as a heterodimer. Thus, the present invention also encompasses the heterodimer forms of MUC1-EC fusion proteins to the extent they are cleaved as in the intercellular processing of MUC1-REP.